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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/511,736	10/18/2004	Xavier Billot	MC058YP	2550
210 MERCK AND	7590 06/01/200 OCO INC	9	EXAMINER	
P O BOX 2000 RAHWAY, NJ 07065-0907			BASQUILL, SEAN M	
			ART UNIT	PAPER NUMBER
			1612	
			MAIL DATE	DELIVERY MODE
			06/01/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/511,736	BILLOT ET AL.		
Examiner	Art Unit		
Sean Basquill	1612		

	Sean Basquill	1612					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address							
THE REPLY FILED 15 May 2009 FAILS TO PLACE THIS APP	LICATION IN CONDITION FOR AL	LOWANCE.					
application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Appe for Continued Examination (RCE) in compliance with 37 C periods:							
	☐ The period for reply expires <u>3</u> months from the mailing date of the final rejection.						
no event, however, will the statutory period for reply expire la Examiner Note: If box 1 is checked, check either box (a) or (MONTHS OF THE FINAL REJECTION. See MPEP 706.07(The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. If no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TW MONTHS OF THE FINAL REJECTION. See MPEP 760 (7/f).						
Extensions of time may be obtained under 37 CFR 1,136(a). The date on which the petition under 37 CFR 1,136(a) and the appropriate extension fee have been filled is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extensions fee under 37 CFR 1,17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) is set fort in (b) above; if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed may reduce any serned patent term adjustment. See 37 CFR 1,704(b). NOTICE OF APPEAL							
2. The Notice of Appeal was filed on A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(a)), a wavid dismissal of the appeal. Since Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).							
AMENDMENTS							
 The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because (a) They raise new issues that would require further consideration and/or search (see NOTE below); (b) They raise the issue of new matter (see NOTE below); 							
 (c) They are not deemed to place the application in bet appeal; and/or 	ter form for appeal by materially rec	lucing or simplifying ti	ne issues for				
(d) ☐ They present additional claims without canceling a	corresponding number of finally reje	ected claims.					
NOTE: (See 37 CFR 1.116 and 41.33(a)).							
4. The amendments are not in compliance with 37 CFR 1.13		mpliant Amendment (I	PTOL-324).				
 Applicant's reply has overcome the following rejection(s) 							
 Newly proposed or amended claim(s) would be all non-allowable claim(s). 	lowable if submitted in a separate, t	imely filed amendmer	it canceling the				
 For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is provided. 		be entered and an e	planation of				
The status of the claim(s) is (or will be) as follows: Claim(s) allowed:							
Claim(s) allowed: Claim(s) objected to:							
Claim(s) rejected: 17-19.21 and 22.							
Claim(s) withdrawn from consideration:							
AFFIDAVIT OR OTHER EVIDENCE							
 The affidavit or other evidence filed after a final action, bu because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e). 							
 The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessary 	vercome all rejections under appea	l and/or appellant fail:	s to provide a				
10. The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached. REQUEST FOR RECONSIDERATION/OTHER							
NECOCES FOR RECOVEDERATION THEN 11. ☑ The request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.							
12. ☐ Note the attached Information <i>Disclosure Statement</i> (s). (PTO/SB/08) Paper No(s) 13. ☐ Other:							
/Frederick Krass/ Supervisory Patent Examiner, Art Unit 1612	/Sean Basquill/						

U.S. Patent and Trademark Office PTOL-303 (Rev. 08-06)

Continuation of 11. does NOT place the application in condition for allowance because: Applicants' response to the final rejection simply retierates the arguments the examiner has fully considered and deemed unpersuasive. As put forth in both provious office actions, the distinction between the compounds disclosed in Cameron and those of the instant Claims consists solely of a diffuor substitution on the 4 carbon of the omega chain. Similar EP4 receptor antagonists, such as those disclosed by Manuyama, describe prostaglandin derivatives similar in structure to those of both the instant Claims as well as those disclosed in Cameron wherein the 4 carbon of the omega chain carries such a diflicuro substition. Combined with the utility associated with these compounds disclosed by both Cameron and Maruyama, manely the prevention of bone loss, the disclosure of Cameron, taken with the disclosure of Maruyama, would suggest the desirability of introducing such a difluoro moiety at position 4 of the omega chain in the compounds disclosed by Cameron. This motivation is further supported by the Kenwhelder possessed by one having ordinary skill in the art as represented by the Wermuth reference, namely that flourine atoms are well-recognized and commonly used substituents for hydrogen atoms in medicinal organic chemistry owing to their biososteric similarities. In light of the foregoing, it is clear that the artisan possessing ordinary skill in the chemical arts would recognize that substituting for the dihydro moiety of the 4 carbon of the omega chain in the compound disclosed by Cameron the diffuoro moiety suggested by Maruyama and reinforced by Weymouth would lead to an EP4 receptor agonits useful in the treatment of such diseases where such compounds find utility. Absent sufficient secondary indicia of nonobviousness commensurate in scope with the invention as claimed in the instant application, the examiner's prima facie case has not been overcome.